

Internal Joint Repair to Stainless Steel Pasteuriser at a Brewery

ID: 8753

Industry: Food & Drink
Application: GSS-Gaskets, Seals and Shims
Substrate: Stainless Steel
Products: * Belzona 1511 (Super HT-Metal) ,

Customer Location: Derbyshire, UK
Application Date: March 2022

Problem

A stainless steel pasteurising bottling line had a large leak from a joint. The pasteurizer could not be disassembled to replace the gasket and therefore the only option was to seal the joint in situ.



Photograph Descriptions

* 1. Leaking pasteuriser 2. Surface of the seam prepared prior to repair 3. Belzona 1511 used to bond plates in place 4. Completed repair ,

Application Situation

The internal seal between two sections of the stainless steel pasteurising bottling line had developed a leak.

Application Method

All of the exposed mastic material between the joint was removed. The repair area was then mechanically prepared using a hand-held industrial surface preparation tool. Belzona 1511 was then applied to both the joint and pre-formed plates using a stiff brush to eliminate air entrapment. The plates were then bonded onto the substrate.

Belzona Facts

Taking the equipment offline would have resulted in a two-week outage for the brewery and replacement of the equipment was estimated at £30,000. The Belzona solution lent itself perfectly to this repair as it could be applied in-situ with no hot work. In addition, Belzona Applicators are trained to work in confined spaces allowing them to safely apply this repair at a fraction of the cost of alternatives.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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